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OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/747,420

DATE: 07/30/2001
TIME: 14:59:34

Input Set : A:\PTO_VSK.txt
Output Set: N:\CRF3\07302001\I747420.raw

3 <110> APPLICANT: Benson, Timothy
 4 Durbin, Jim
 5 Prince, D. Bryan
 7 <120> TITLE OF INVENTION: CRYSTALLIZATION AND STRUCTURE DETERMINATION OF GLYCOSYLATED
 HUMAN BETA
 8 SECRETASE, AN ENZYME IMPLICATED IN ALZHEIMER'S DISEASE
 10 <130> FILE REFERENCE: 00481
 12 <140> CURRENT APPLICATION NUMBER: 09/747,420
 13 <141> CURRENT FILING DATE: 2000-12-23
 15 <160> NUMBER OF SEQ ID NOS: 5
 17 <170> SOFTWARE: PatentIn version 3.0
 19 <210> SEQ ID NO: 1
 20 <211> LENGTH: 385
 21 <212> TYPE: PRT
 22 <213> ORGANISM: Homo sapiens
 24 <400> SEQUENCE: 1
 26 Glu Met Val Asp Asn Leu Arg Gly Lys Ser Gly Gln Gly Tyr Tyr Val
 27 1 5 10 15
 29 Glu Met Thr Val Gly Ser Pro Pro Gln Thr Leu Asn Ile Leu Val Asp
 30 20 25 30
 32 Thr Gly Ser Ser Asn Phe Ala Val Gly Ala Ala Pro His Pro Phe Leu
 33 35 40 45
 35 His Arg Tyr Tyr Gln Arg Gln Leu Ser Ser Thr Tyr Arg Asp Leu Arg
 36 50 55 60
 38 Lys Gly Val Tyr Val Pro Tyr Thr Gln Gly Lys Trp Glu Gly Glu Leu
 39 65 70 75 80
 41 Gly Thr Asp Leu Val Ser Ile Pro His Gly Pro Asn Val Thr Val Arg
 42 85 90 95
 44 Ala Asn Ile Ala Ala Ile Thr Glu Ser Asp Lys Phe Phe Ile Asn Gly
 45 100 105 110
 47 Ser Asn Trp Glu Gly Ile Leu Gly Leu Ala Tyr Ala Glu Ile Ala Arg
 48 115 120 125
 50 Pro Asp Asp Ser Leu Glu Pro Phe Phe Asp Ser Leu Val Lys Gln Thr
 51 130 135 140
 53 His Val Pro Asn Leu Phe Ser Leu Gln Leu Cys Gly Ala Gly Phe Pro
 54 145 150 155 160
 56 Leu Asn Gln Ser Glu Val Leu Ala Ser Val Gly Gly Ser Met Ile Ile
 57 165 170 175
 59 Gly Gly Ile Asp His Ser Leu Tyr Thr Gly Ser Leu Trp Tyr Thr Pro
 60 180 185 190
 62 Ile Arg Arg Glu Trp Tyr Tyr Glu Val Ile Ile Val Arg Val Glu Ile
 63 195 200 205
 65 Asn Gly Gln Asp Leu Lys Met Asp Cys Lys Glu Tyr Asn Tyr Asp Lys
 66 210 215 220
 68 Ser Ile Val Asp Ser Gly Thr Thr Asn Leu Arg Leu Pro Lys Lys Val
 69 225 230 235 240
 71 Phe Glu Ala Ala Val Lys Ser Ile Lys Ala Ala Ser Ser Thr Glu Lys
 72 245 250 255

ENTERED

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74 Phe Pro Asp Gly Phe Trp Leu Gly Glu Gln Leu Val Cys Trp Gln Ala
75 260 265 270
77 Gly Thr Thr Pro Trp Asn Ile Phe Pro Val Ile Ser Leu Tyr Leu Met
78 275 280 285
80 Gly Glu Val Thr Asn Gln Ser Phe Arg Ile Thr Ile Leu Pro Gln Gln
81 290 295 300
83 Tyr Leu Arg Pro Val Glu Asp Val Ala Thr Ser Gln Asp Asp Cys Tyr
84 305 310 315 320
86 Lys Phe Ala Ile Ser Gln Ser Ser Thr Gly Thr Val Met Gly Ala Val
87 325 330 335
89 Ile Met Glu Gly Phe Tyr Val Val Phe Asp Arg Ala Arg Lys Arg Ile
90 340 345 350
92 Gly Phe Ala Val Ser Ala Cys His Val His Asp Glu Phe Arg Thr Ala
93 355 360 365
95 Ala Val Glu Gly Pro Phe Val Thr Leu Asp Met Glu Asp Cys Gly Tyr
96 370 375 380

98 Asn
99 385

101 <210> SEQ ID NO: 2
102 <211> LENGTH: 21

103 <212> TYPE: PRT

C--> 104 <213> ORGANISM: Artificial ✓

106 <220> FEATURE:

107 <223> OTHER INFORMATION: Histidine Tag ✓

109 <400> SEQUENCE: 2

111 Glu Gln Lys Leu Ile Ser Glu Glu Asp Leu Asn Met His Thr Glu His
112 1 5 10 15

114 His His His His

115 20

117 <210> SEQ ID NO: 3

118 <211> LENGTH: 13

119 <212> TYPE: PRT

C--> 120 <213> ORGANISM: Artificial ✓

122 <220> FEATURE:

123 <223> OTHER INFORMATION: Synthetic Peptide 6 ✓

125 <220> FEATURE:

126 <221> NAME/KEY: MOD_RES

127 <222> LOCATION: (5)..(5)

128 <223> OTHER INFORMATION: Statine

131 <400> SEQUENCE: 3 ✓

W--> 133 Ser Glu Val Asn Xaa Val Ala Glu Phe Arg Gly Gly Cys

134 1 5 10

136 <210> SEQ ID NO: 4

137 <211> LENGTH: 32

138 <212> TYPE: DNA

C--> 139 <213> ORGANISM: Artificial

141 <220> FEATURE:

142 <223> OTHER INFORMATION: Primer

144 <400> SEQUENCE: 4

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Input Set : A:\PTO_VSK.txt
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145 cgctttggat ccgtggacaa cctgagggc aa 32
148 <210> SEQ ID NO: 5
149 <211> LENGTH: 40
150 <212> TYPE: DNA
C--> 151 <213> ORGANISM: Artificial
153 <220> FEATURE:
154 <223> OTHER INFORMATION: Primer
156 <400> SEQUENCE: 5
157 cgctttggta ccctatgact catcgatctg tggaatgttg 40

VERIFICATION SUMMARY

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Output Set: N:\CRF3\07302001\I747420.raw

L:104 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:2
L:120 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:3
L:133 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:139 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:4
L:151 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:5